

PRELIMINARY AMENDMENT

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Title: METHOD FOR ALTERING THE NUTRITIONAL CONTENT OF PLANT SEED

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Dkt: 950.011US

to all or a portion of a mRNA encoding 19 kD α -zein protein.

89. (Amended) The transgenic plant of claim 72 or 73, wherein the preselected DNA sequence, which encodes an RNA molecule substantially complementary to all or a portion of a mRNA encoding a seed storage protein, encodes an RNA molecule substantially complementary to all or a portion of a mRNA encoding a 22 kD α -zein protein.

90. (Amended) The transgenic plant of claim 72 or 73, wherein the preselected DNA sequence, which encodes an RNA molecule substantially identical to all or a portion of a mRNA encoding a seed storage protein, encodes an RNA molecule substantially identical to all or a portion of a mRNA encoding a 19 kD α -zein protein.

91. (Amended) The transgenic plant of claim 72 or 73, wherein the preselected DNA sequence, which encodes an RNA molecule substantially identical to all or a portion of a mRNA encoding a seed storage protein, encodes an RNA molecule substantially identical to all or a portion of a mRNA encoding a 22 kD α -zein protein.

94. (Amended) The transgenic plant of claim 72 or 73, further comprising stably transforming the cells with a gene which encodes kernel hardness.

95. (Amended) The transgenic plant of claim 72 or 73, wherein the cell is transformed by a method selected from the group consisting of electroporation, microinjection, microprojectile bombardment, and liposomal encapsulation.

100. (Amended) The transgenic plant of claim 78 or 79, further comprising stably transforming the cells with at least one selectable marker gene.